

THE BULLETIN

AUGUST 20, 2001 ~ 55TH YEAR ~ NUMBER 2

Stem Cell Debate Heats Up

BY MEGAN EASTON

WHEN U.S. PRESIDENT George W. Bush made his first live television broadcast earlier this month it wasn't about national security, the economy, drugs or any of the usual issues deemed worthy of such a dramatic public statement. It was about stem cells, an arcane sphere of biomedical research that has raised the hopes of some people and the ire of others — and the world was listening.

While the controversy around stem cell research has captured the public imagination, it is the researchers whose work depends on these contentious little cells who have the most at stake. Scientists here were especially attentive to the U.S. announcement because the Canadian government is still working on legislation and funding guidelines for working with stem cells.

The promise of stem cells lies in their unique ability to heal or rebuild human tissue by reproducing themselves or growing into a variety of more advanced cell types. Scientists are exploring ways to control and manipulate these processes to produce new cell therapy treatments for debilitating illnesses such as spinal cord injury, Parkinson's, Alzheimer's, diabetes and heart disease. The cells come from a variety of sources including mouse embryos, adult human tissue, human umbilical cord blood and human embryos, but it is the latter source that has provoked fierce debate.

University Professor Janet Rossant of medical genetics and microbiology and Mount Sinai Hospital led the working group that produced the Canadian Institutes of Health Research (CIHR) guidelines on stem cell research. These go further than the American guidelines by allowing researchers to derive new cell lines from unused embryos at infertility clinics. The U.S. government will only fund research on embryonic

~ See STEM: Page 8 ~



Post-doctoral student Hong-Xia Zhang examines a genetically engineered tomato at a U of T greenhouse

Scientists Engineer Salt-Resistant Tomato

New plant technology offers hope for salt-damaged lands

BY JANET WONG

A TOMATO PLANT THAT'S BEEN genetically engineered to thrive in salty irrigation water may hold the key to one of agriculture's greatest dilemmas.

Developed by former U of T botany professor Eduardo Blumwald and post-doctoral student Hong-Xia Zhang, it's the first truly salt-tolerant crop and it's this fact that may offer the best hope for lands with salt-damaged soils and salty irrigation water.

Blumwald, who conducted the research here in U of T's greenhouses, recently moved to the pomology department at the University of California at Davis. He continues to operate a lab here where Zhang still works.

"Since environmental stress due to salinity is one of the most serious factors limiting the productivity of crops, this innovation will have significant implications for agriculture worldwide," Blumwald said.

The researchers say these salt-tolerant tomatoes offer hope that other crops can also be genetically modified for planting in many areas of the world that have salty

irrigation water and salt-damaged soils. Their findings were published in the July 31 issue of *Nature Biotechnology*.

According to the U.S. Department of Agriculture, an estimated 24.7 million acres (10 million hectares) of once agriculturally productive land are being lost worldwide each year because of irrigation-induced salinity. Crop production is limited by salinity on 40 per cent of the world's irrigated land.

It is this progressive loss of farmable land that is the problem, putting it into a collision course with the expanding global population. Over the next 30 years the population is expected to require an increase in food production of 60 per cent in developing nations.

Although scientists have been trying to develop salt-tolerant crop varieties using selective breeding techniques throughout the past century, none of those efforts has proven successful.

Crop irrigation is an age-old practice that allows farmers to be less dependent on seasonal rainfall and the uncertainties of the weather. However, irrigation also increases

the salinity of soils and water by depositing in the fields soluble salts such as sodium, calcium, magnesium, potassium, sulfate and chloride picked up by water as it passes through rocks and soils. Eventually these salts accumulate in the irrigated soils at levels that decrease the vigour and productivity of the crops grown there.

Salty irrigation water wreaks havoc on most plants by upsetting their ability to take in water through their root cells. In fact, if salt concentrations in the soil are very high, flow of water into the plant is actually reversed and the plant dehydrates and dies as water is drawn out of its cells.

To counter this effect, Blumwald and Zhang genetically engineered tomato plants that produce higher levels of a naturally occurring protein known as a "transport protein." The gene that controls increased production of the transport protein was taken from *Arabidopsis*, a relative of the cabbage that is commonly used in plant research.

The transport protein uses energy available in the cells to move salt

~ See SCIENTISTS: Page 2 ~

U of T Assures PhD Funding

BY KIM LUKE

U OF T IS ABOUT TO BECOME the first Canadian university to offer a guaranteed level of financial support for graduate students pursuing doctoral degrees. The support package, which is being rolled out in almost all U of T faculties this September, starts at a minimum of \$12,000 plus tuition and fees (\$17,600 for 2001-02) and will be available for up to five years of study.

The guarantee, say university administrators, will help put graduate students at U of T on a more equal footing with their counterparts in the United States.

"Graduate students are key to our strength as a research university," said Professor Ian Orchard, vice-provost (students). "We want to attract the best and ensure they have the resources to achieve their academic goals. This guarantee is a big step in that direction."

The guarantee may have another benefit as well: it could help cut the time it takes some students to complete their degrees by reducing their financial pressure and the resulting need to take on full- or part-time work. Data show that the average time to completion for a PhD student at U of T ranges from 4.9 years in the life sciences up to 6.1 years in the humanities with many students doing a one-year master's degree first.

While some \$11 million is being allocated to this effort, the university would need closer to \$18 million to provide the five-year guarantee to all doctoral-stream students at current enrolment levels, Orchard said. The shortfall is expected to be made up largely through the university's fundraising campaign which has made graduate student support a key priority; the goal is to raise \$100 million for graduate student aid by 2004. Part of this endowment will be used to provide the necessary match for the new Ontario Graduate Scholarship program, which saw an increase in the number and value of awards in 2001.

A graduate student's funding package may be made up from a variety of sources including external awards such as SSHRC, NSERC or CIHR scholarships, research or

~ See U OF T: Page 2 ~

The University of Toronto Computer Shop

AOpen*

Component Solutions

Back to School with AOpen

Intel Celeron 766MHz,
128MB, 20GB harddrive,
56K modem, 10/100 NIC,
52x CDRM, FDD,
nVidia 16MB video card,
3 year warranty.
Including 17" A70S monitor



\$1,099.00

Add a DVD for only \$79.00 (Installed)
Upgrade to a CDRW for only \$90.00

IBM Thinkpad iSeries 44U

Celeron 700MHz
64MB, 10GB harddrive,
13.3" TFT, 8x DVD, 56K
WinME



\$1465.00

IBM NetVista A21i 23U

Celeron 850MHz, Mid Tower
64MB, 20GB harddrive,
CDRW, 56K,
10/100 ethernet card
WinME



\$975.00

monitor not included

TOSHIBA Notebooks

Satellite 1800 Specials Series S100

Celeron 800MHz
128MB ram, 15GB harddrive
CDROM, 56K fax/modem
13.3" TFT, 10/100 ethernet
Free Carrying Case

\$1699.00

Series S200

Pentium 850MHz
128MB ram, 15GB harddrive
DVD, 56K fax/modem
14.1" TFT, 10/100 ethernet
Free Carrying Case

\$2249.00

University of Toronto Computer Shop

Koffler Student Centre, 214 College Street, Toronto, Ontario, M5T 3A1
tel: (416) 978-7947 Fax: (416) 978-796
Hrs: Mon.-Fri. 9-6; Sat. 10-5; Sun. 12-5
Visit our Web Site at www.campuscomputershop.com
computer shop computer shop

U of T Assures PhD Funding

~ Continued From Page 1 ~

teaching assistantships and other U of T funding. The funding package does not include any loans. In 1999-2000 an average doctoral student at U of T received \$14,700 per year in support. This is expected to increase to over \$19,000 in 2001-02, largely because of the guarantee.

"The immediate impact of the guarantee is to bring funding for our doctoral and doctoral-stream students up to a level that makes graduate education accessible again," said Professor Pekka Sinervo, vice-dean, Faculty of Arts and Science. "It is a significant first step for our graduate programs and most students are going to benefit immediately from it. But the real impact will be felt over the long term because it begins to make us competitive with our peer institutions in recruiting outstanding graduate students."

A U of T task force on graduate student financial support found that the average amount in graduate support at American universities in 1997-98 was \$12,167 Cdn excluding tuition. In 1998-99, doctoral-stream students at U of T received on average less than \$8,000 excluding tuition.

Jorge Sousa, president of the Graduate Students' Union, agrees that the guarantee is great news for graduate students. "The bottom

line is that now there is a minimum. It's not enough but it's a start," said Sousa, noting that the GSU is "cautiously optimistic" that funds can be raised to further increase graduate support. The GSU would like to see the guarantee include students outside of the doctoral stream, particularly those students at OISE/UT where funding levels for graduate students are low relative to the rest of the university.

Almost all faculties in the university are rolling out the guarantee for this September, although Provost Adel Sedra set a deadline of 2004. "Most departments in medicine will meet or exceed the guaranteed level of support this year," said Professor Catharine Whiteside, associate dean (inter-faculty and graduate affairs), noting that all of medicine's departments are expected to be on board within two years.

OISE/UT is working towards offering the guarantee to all eligible students by the deadline as well but have faced a huge challenge: "OISE's budget for student support at the time of the merger with U of T in 1996-97 was only \$2.9 million," explained OISE/UT dean Michael Fullan. "With the support of the provost, we've increased it to almost \$5 million but we need to raise more to fully realize the

guarantee for all our eligible students."

Departments with more resources, especially those generating substantial amounts from external granting agencies, are already able to offer packages well above the guaranteed minimum. This is the case, for example, in the laboratory-intensive science programs in chemistry and physics as well as in the Faculty of Applied Science and Engineering. "Our faculty will try to go beyond that, where possible, with the goal of offering at least \$22,000 because of the intense competition for top students," said former engineering dean Michael Charles.

The guarantee is already making an impact on U of T's recruitment efforts. For Tiekou Kwasi, a graduate student in political science who was considering offers from different universities, it was the clincher. He chose to come to U of T to do his PhD because of the guarantee.

"I wanted to avoid potential distractions that could inhibit early completion of the program," he explained. "Bearing in mind the options available, two questions became paramount: what level of funding will enable me to live a decent scholarly life? and how sustainable is it? The duration and the level of U of T's guarantee funding for doctoral studies aptly answered these questions."

Scientists Engineer Tomato

~ Continued From Page 1 ~

— in the form of sodium ions — into compartments within the cells called vacuoles. Once the salt is stashed inside the vacuoles it is isolated from the rest of the cell and unable to interfere with the plant's normal biochemical activity.

These genetically engineered salt-tolerant plants actually remove salt from the soil. And because their salt-storing activity occurs

only in the plants' leaves, the quality of the tomato fruit is maintained.

The researchers demonstrated that the genetically engineered tomato plants grow and produce fruit even in irrigation water that is about 50 times saltier than normal. The plants were irrigated with water having a salt concentration of 200 mM sodium chloride; this is more than one-third

as salty as seawater, which is about 530 mM sodium chloride.

Blumwald projects that, with proper funding, it would be possible to develop commercially useful salt-tolerant tomato plants within three years.

The research was funded by the Natural Sciences and Engineering Research Council of Canada and by the Will W. Lester Endowment from the University of California.

Editor Leaves for New Zealand

JILL RUTHERFORD, EDITOR OF *THE BULLETIN* SINCE DECEMBER 1999, STEPS down this week to assume a senior media adviser role at the University of Otago in Dunedin, New Zealand. Steven de Sousa, currently news services officer (health) in the public affairs office, will take over the editorship and can be reached at steven.desousa@utoronto.ca.



Uoft Staff and Faculty:

IF YOU SUFFER FROM FOOT, KNEE, HIP OR BACK PAIN
YOU MAY BENEFIT FROM CUSTOM MADE
SHOES & FOOT ORTHOTICS

- Custom Made Shoes & Foot Orthotics are **100%** covered under the **U of T** extended health plan.
- We bill your extended health plan **directly**.
- To arrange your **FREE** Consultation & Foot Analysis, call our message centre at **(416) 337-2671**.

FITNESS APPRAISERS
ST. GEORGE/BLOOR - JANE/BLOOR - LAWRENCE EAST
(416) 337-2671

Residences to Meet Rising Demand

BY JILL RUTHERFORD

THERE'S A FAMOUS CLIP FROM the movie *Animal House* — John Belushi stuffing his face with mashed potatoes, grossing out members of a rival frat house. All hell breaks loose and the food fight is on ...

It's a scene that sends shivers down the spines of school administrators. Fortunately, while off-campus communal living may sometimes resemble the worst antics of *Animal House*, supervised residences here at U of T play a different role in the lives of students, a role that's about to take on a much greater significance.

With the anticipated arrival of some 8,000 more students in the next five to 10 years — due to expanding demographics and the so-called double cohort of Ontario high school graduates — U of T has set an ambitious \$100-million residence building agenda in order to fulfil its pledge to house any first-year student who requests on-campus housing. Administrators want to add some 2,600 new residence beds to the total 5,000 students currently housed on the three campuses; residence space is so short that the university has been forced to rent floors of the downtown Primrose Hotel for the third straight year.

The need is clearly critical in Canada's most expensive city where safe, affordable housing for young people is at a premium. But the task is also a daunting one especially for the St. George campus where planners must strike a delicate balance between pressing need and a desire to preserve older architectural styles along with cherished green space.

St. Michael's College has almost completed its impressive new residence, its features melding with existing buildings, while construc-

tion will soon begin on those slated for New College and the Mississauga and Scarborough campuses. The Varsity Stadium redevelopment project also includes plans for residence space.

But perhaps the most imposing and controversial of these projects is that of Woodsworth College — a planned 16- or 17-storey structure that would house 350 first-year students plus about 10 residence dons. That building would replace the old graduate student residence at the corner of St. George and Bloor streets, now home to 280 students.

"The first principle of the university in terms of residences is this: we're trying to create a home-away-from-home feeling for students. Second, we want to offer affordable housing. And third, we want to provide good living space with lots of light in a building that exhibits good urban design principles," said Professor John Browne, director of residence development.

Residence life is a "critical feature of a successful experience at university, especially for first-year students," added Susan Addario, director of Student Services. With the double cohort and the elimination of the Grade 13, students entering university will be progressively younger, she said, with the corresponding need for "controlled environments in which programs are offered, students are supervised and supported and university staff can identify students who may be falling through the cracks. That's much more difficult to do with those living off campus."

Andrea Howard, a 22-year-old New College student and residence president, agrees. She said residence "essentially becomes a home. You build a community here that provides you with a lot of support, both person-

al and academic. It also helps avoid the isolation you encounter living in an apartment by yourself. "U of T really is a big place and you have to carve out a niche of your own."

As for *Animal House* antics, Howard is quick to dispel those stereotypes: "That happens outside of residence. You'd get kicked out if you tried pulling any of those stunts."

Enhancing student well-being is at the heart of the design plans for the Woodsworth residence, Browne said. While local ratepayers and neighbours have voiced concerns over the height of the structure, he said the taller building would allow more light into rooms than a lower, slab-sided construction. And that's an important consideration for student living and studying.

But perhaps the best news of all is that students entering in the fall of 2003 when the building is slated to open would pay an equivalent-to-monthly rent of between \$575 and \$600 — a sweet deal in a city with spiralling rents and a vacancy rate of less than one per cent. (See housing story, page 3.)

"That's a huge social contribution to our students in a market where rents are being pushed up, up and up," Browne said. "And we can structure it this way because unlike developers who must purchase the land and then factor that into the rents they charge, we have no associated land costs."

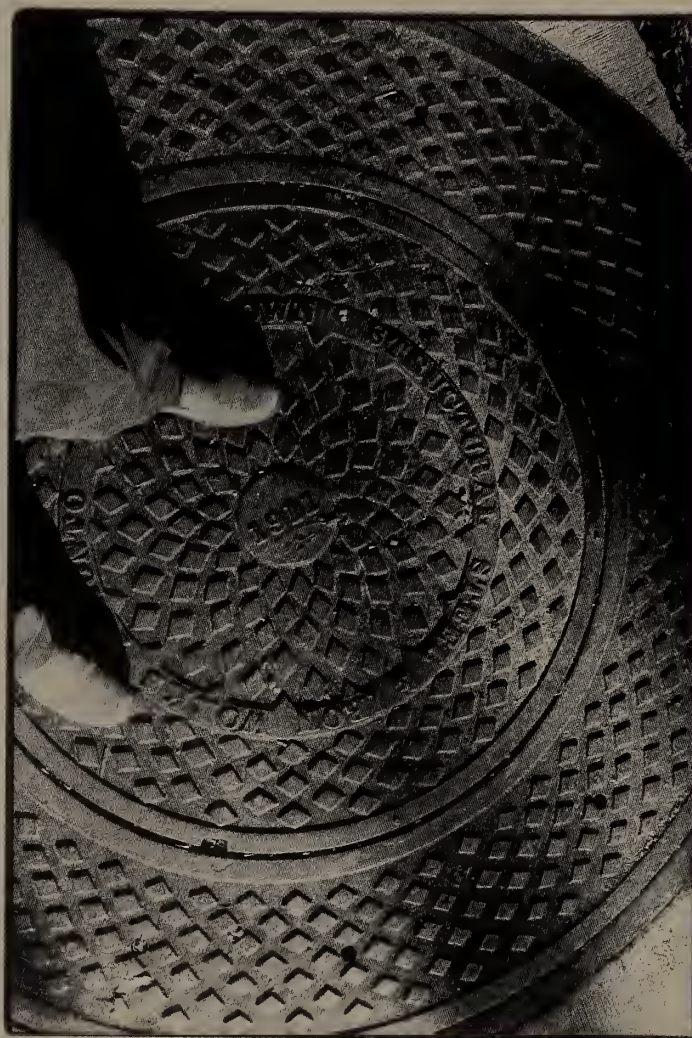
But concerns about the building remain and no community consensus has been reached, despite at least five public meetings hosted by the university. "There are still points of view that have to be ironed out," Browne conceded.

The U of T proposal, which would require rezoning at that site, has gone directly to the Ontario Municipal Board for approval. That hearing is set for mid-October.

CURIOSITIES

MAN UNDERGROUND

BY MICHAH RYNOR



JEWEL RANDOLPH

BACK IN 1912 MANY INDIVIDUAL BOILER PLANTS ON CAMPUS WERE connected to the just-constructed Central Heating and Lighting Plant on Queen's Park Crescent. This pioneering distribution network created what was then only the second university district energy system in all of Canada, providing low-pressure steam and direct current power to 21 campus buildings through tunnels. This ornate 58-inch steel access plate (circa 1911) outside the Medical Arts Building on King's College Circle is part of the original installation and is commonly known as the largest manhole cover left in downtown Toronto where the average access cover is a puny 27 inches.

Study Reveals Growing Gap Between Renters, Owners

A STUDY BY A U OF T HOUSING expert confirms what many in the highly competitive housing markets of Toronto, Vancouver and Montreal have suspected for some time — that the divide between the home-owning "haves" and the renting "have-nots" is widening.

Using data from the 1984 and 1999 Statistics Canada survey of household income, Professor David Hulchanski, director of the Centre

for Urban and Community Studies, compared the income and wealth of owners with that of renters. The results, while not entirely surprising to those shelling out top dollar for rental accommodation, point to a disturbing trend — the emergence of two distinct groups of housing consumers within the Canadian market, with the income gap between them increasing by about one per cent a year.

That trend, Hulchanski said, has major social and economic implications for Canadians. And he's hoping Canada's housing ministers, who met last week in London, Ont., will take action. "We must recognize that very few renters have enough income to cover the cost of housing," he said. "Right now, we're passing the buck, saying the private sector will do it — but it's not happening."

Renters' income is "just way too

low" to stimulate market demand for new rental housing units, Hulchanski said. "Social need is something the market simply can't respond to." One of the key problems is that Canada has these two income groups competing with each other in the one housing market supplied solely by the private sector. Governments at both the federal and provincial levels have cut public funding for social housing, increas-

ing the squeeze on available units.

Defining wealth as a person's net worth — savings plus the value of assets such as a house — Hulchanski found that the average wealth of Canadian renters has dropped from \$4,000 in 1984 to \$2,000 in 1999. By contrast, the income and wealth of Canada's homeowners increased from 29 times to 70 times that of renters, "revealing a huge gap between the top of the income scale and the bottom."

DO YOUR FEET HURT ? HOP ON OVER TO



STEP BY STEP
"The Way To Healthier Feet"
Professional Family Footcare



CUSTOM PLASTER CASTED ORTHOTICS : Rx BIRKENSTOCK SANDALS & FOOTWEAR
PROBLEMATIC NAILS : SURGERY : HEEL PAIN : CALLUS : CORNS : WARTS
HIGH & FLAT ARCHES : GENERAL AND DIABETIC FOOTCARE
PERSONAL ATTENTION AND GENTLE CARE

Dedicated To Help Keep You Walking In Comfort !

Toronto/Head Office : 27 Queen St. E. Suite 407 416-214-4697

Across St. Michaels Hospital

Licensed With The College Of Chiropodists Of Ontario

Scarborough
416-283-3666

Pickering
905-420-6544

Orthotics and Custom Made Footwear Covered Under UofT Staff and Most Other Extended Health Care Plans.

DOWNTOWN FOOT CARE CLINIC

Professional foot care for those who live or work downtown.

- ✓ Custom prescribed functional orthotics
- ✓ General and diabetic foot care
- ✓ Heel and arch pain treatment

**YOUR FEET DESERVE THE BEST CARE
SEE AN EXPERT ***

Thomas Weisz, B.A., D.Ch., Registered Chiropodist

Call for an appointment. No referral is necessary.

70 Yorkville Avenue
Ground Floor
(West of Bay)
416-925-6823

700 University Avenue
(SW corner at College)
Hydro Place, Concourse Level
416-598-8842

* Ontario's foot care professionals are licensed by the College of Chiropodists of Ontario.

FACULTY OF ARTS AND SCIENCE
UNIVERSITY OF TORONTO

First Shoshana Shier Symposium
on Judaism and Modernity
International Conference
on the Ethics of Hermann Cohen

Michael Zank
Department of Religion
Boston University

Will deliver a public lecture on

**The Ethics in
Cohen's
System of
Philosophy**

August 27, 2001

8:00 p.m.

University College

Room 161

15 King's College Circle

Sponsored by:

Jewish Studies Program
Shoshana Shier Distinguished
Visiting Professorship
in Jewish Studies
Joseph and Gertie Schwartz
Memorial Lectureship
Foundation Dialogik
Mary and Hermann
Levin-Goldschmidt (Zurich)
Franz Rosenberg Centre of the
Hebrew University, Jerusalem

**For more information
please call (416) 978-8118**

Free and open to the public
No tickets required



FACULTY OF
ARTS & SCIENCE

IN THE NEWS



*U of T people are in the news every day. The following is a sample from August.
To submit items for this column, please e-mail Sue Toye, sue.toye@utoronto.ca.*

**Inquiry into Vatican's Second
World War role suspended**

INTERNATIONAL HEADLINES WERE MADE WHEN A JOINT Jewish-Catholic panel of scholars examining the role of the Vatican and Pope Pius XII during the Second World War announced the suspension of its inquiry, citing the Vatican's refusal to release all archival material from that time. Tensions increased when a Vatican spokesperson then accused Jewish members of the panel — including U of T dean of graduate studies and history professor Michael Marrus — of launching a "slandorous campaign" against the Vatican. The panel was set up in 1999 to review 11 volumes of published material on the activity of the Vatican during the war years. Marrus told the *National Post* in July that "unfortunately, those in charge of the Vatican's archives seem unprepared at present to take the essential steps toward full disclosure and unfettered research."

Poems for an execution

MURDER, MYSTERY AND INTRIGUE SWIRLED THROUGH the airwaves on CBC Radio's program *The Arts Today* when host Eleanor Wachtel interviewed award-winning poet and U of T English professor George Elliott Clarke in August. He gave the program's audience a taste of his latest work, *Execution Poems*, which is a fictional account of the real-life crimes of two men who were hanged in Fredericton, N.B., in 1949 for the murder of a taxi driver. The condemned men, Clarke discovered, were his own relatives.

**Humans still out-think
machines**

HOW FAR ARE WE FROM PRODUCING A ROBOT THAT has the mental faculties like Steven Spielberg's ideal child in his movie *A.I.*? Very far, according to computer science professor Hector Levesque, co-director of the Cognitive Robotics Project at U of T. *The Toronto Star* interviewed him at a recent conference on artificial intelligence in Seattle, Wash. Levesque, who chaired the conference, told *The Star* that humans make better decisions with more information whereas machines do not. "The more rules and facts about the world we give (to the computer), the slower the system behaves."

Hot strings, cool soprano

SONGBIRD AND U OF T FACULTY OF MUSIC ALUMNA Measha Brueggengosman continues to make headlines and this time it's *Time Canada*, which featured her in its Aug. 6 issue. Billing her as a "diva," the magazine profiles her ascent to operatic stardom and describes her talent as a "distinctive vocal personality." "I want to make an audience feel an intense emotion that they and I will remember," she told *Time*. The Juno award-winning St. Lawrence String Quartet was also profiled by *Time* in the same issue. Called "cool strings," this gifted foursome all graduated from U of T and the Royal Conservatory of Music.

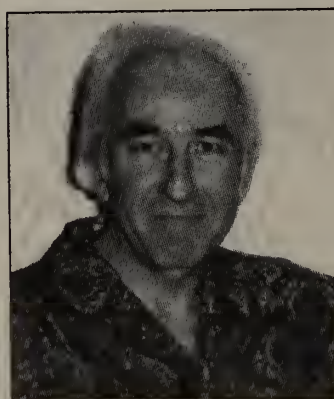
COMPILED BY SUE TOYE

IN MEMORIAM

**Corson Fought for Social Justice
in Education**

PROFESSOR DAVID CORSON OF the departments of theory and policy studies and curriculum, teaching and learning at the Ontario Institute for Studies in Education at the University of Toronto died May 30 after a year-long battle with cancer. He was 56 years old.

Corson was born and grew up in Australia and taught at the University of Tasmania and later at Massey University in New Zealand before joining OISE/UT in 1992. He was an accomplished and prolific academic before he came to Toronto, but during his 10 years at OISE/UT his writing took on a new intensity; Corson published 16 academic books and countless articles on a variety of topics related to language, social justice and education. One of his most ambitious projects, editing the eight-volume *Encyclopedia of Language and Education*, was published in 1998 by Kluwer Academic Publishers. As well, he wrote two historical novels chronicling the spread of the Roman Empire and the lives and times of its peoples — the first of these *Domitia and Domitian* was published last year; he finished the epilogue of the second, *Trajan and Plotina*, just days before he died.



Language policy in schools was a consistent theme throughout Corson's academic work. He insisted that school-based language policies were central to changing education in the direction of greater social justice. For Corson creating coherent policies could allow educators to address such issues as the rights of speakers of minority languages (and dialects) to have their languages respected and promoted in schools. He strove to replace what he believed to be meaningless rhetoric on multiculturalism in cities like Toronto with policies and programs that genuinely promoted cultural and linguistic diversity as resources that enrich the lives of all students and educators.

A passionate and eloquent advocate for social justice in education, Corson worked closely with indigenous peoples on three continents — Maori educators in New Zealand, Sámi in Norway and Inuit in Nunavut — to articulate and promote viable models of bilingual education that would reinforce and revitalize the indigenous language. "It is fitting that David's last major academic work was his report on bilingual education options for Nunavut," said Professor Jim Cummins, a colleague and friend. "If implemented, the directions articulated by David will radically alter the administration and the curriculum of the Nunavut education system."

Corson had little tolerance for hypocrisy in any form and was direct in communicating his views — from criticizing the elite high school he attended as a scholarship student as "an authoritarian bastion of class-privilege with an anemic vision of education" to the Harris government's "one-size fits all" education policies, Cummins said. "He taught many of us to search for the real values that lie beneath the surface of things and he did so with wit, warmth and wisdom. He has left a legacy to education and to educators that is truly priceless."

EVENTS



LECTURES

The Ethics of Cohen's System of Philosophy.

MONDAY, AUGUST 27

Prof. Michael Zank, Boston University; in conjunction with conference on the ethics of Hermann Cohen. 161 University College. 3 p.m. *Arts & Science, Jewish Studies, Shoshana Shier Distinguished Visiting Professorship, Joseph & Gertie Schwartz Memorial Lectureship, Foundation Dialogik and Mary & Hermann Levin-Goldschmidt (Zurich)*



SEMINARS

IGF-IR Signal Transduction in Tumorigenesis and Apoptosis.

THURSDAY, SEPTEMBER 6

Dr. D. LeRoith, National Institutes of Health, Bethesda. 3231 Medical Sciences Building. 4 p.m. *Physiology*

MEETINGS & CONFERENCES

Natural Capital, Poverty and Development.

WEDNESDAY, SEPTEMBER 5 TO

SATURDAY, SEPTEMBER 8

Conference is organized around four sessions aimed at the following themes: Natural Capital, Institutions and Development; Poverty, Development and Fragile Lands; Measurement Issues in Natural Resources, Development and Poverty; and Ecotourism, Biodiversity and Development. A working session with breakout groups will tackle specific problems and questions raised in the plenary sessions. It is expected that both "instruments" and "policy" recommendations will be derived from what will be a remarkable body of international experts from the natural and social sciences. Munk Centre for International Studies. Information: www.utoronto.ca/env/ies.htm.

EXHIBITIONS

JUSTINA M. BARNICKE GALLERY HART HOUSE Fireworks 2001

JULY 26 TO AUGUST 23

Handcrafted clay and glass works; organized by Fusion: The Ontario Clay & Glass Association. Both galleries. Gallery

hours: Monday to Friday, 11 a.m. to 6 p.m.; Saturday, 1 to 4 p.m.

ROBERTS LIBRARY Embrace Taiwan.

SEPTEMBER 10 TO OCTOBER 5

Photo exhibition highlights the scenery, human rights and high-tech developments of Taiwan and includes collection paying homage to missionary George Leslie Mackay, a Canadian hero in Taiwan. Co-sponsored by East Asian studies, Asian Institute and Taiwan Economic & Cultural Office, Toronto. Hours: Monday to Friday, 8:30 a.m. to midnight; Saturday, 9 a.m. to 10 p.m.; Sunday, 1 to 10 p.m.



MISCELLANY

Choosing Child Care That Works for Your Family.

THURSDAY, AUGUST 23

Session covers types of care available, costs, evaluation of caregivers and other information parents need to make the best decision for their children. Health Services Seminar Room. Koffler Student

Services Centre. Noon to 1:30 p.m. Information and registration: family.care@utoronto.ca.

Carillon Recital Series.

SUNDAY, AUGUST 26

Suzanne Magassy, national carillonneur, Canberra, Australia. Soldiers' Tower. 3 p.m.

SUNDAY, SEPTEMBER 9

Margo Halstead, carillonneur, University of Michigan at Ann Arbor. Soldiers' Tower. 3 p.m.

Historical Walking Tours.

TO AUGUST 31

An entertaining and informative tour of the historic St. George Campus. Nona Macdonald Visitors Centre. Monday to Friday, 10:30 a.m., 1 and 2:30 p.m. Theatrical tours every Saturday at 11:15 a.m. Information: 978-5000.

Fathers' Group.

FRIDAY, SEPTEMBER 7

Meet other fathers at U of T to talk, discuss issues, find out about resources and share insights. Noon. Registration and information: 978-0951, family.care@utoronto.ca.

Radical Equations: New Visions for Education.

FRIDAY, SEPTEMBER 7

Forum will feature speakers Margaret Atwood, Naomi Klein, David Cayley and Annie Kidder; host: Clifton Joseph, poet and performance artist; fundraising event in celebration of 35th anniversary of *This Magazine*. Hart House Theatre. 8 p.m. Tickets \$35; benefactor tickets \$150 (includes access to an exclusive post-forum reception as well as a charitable tax receipt).



DEADLINES

Please note that information for Events listings must be received in writing at The Bulletin offices, 21 King's College Circle, by the following times:

Issue of September 10, for events taking place Sept. 10 to 24: MONDAY, AUGUST 27.

UNIVERSITY OF TORONTO

THE BULLETIN

EDITOR: Jill Rutherford • jill.rutherford@utoronto.ca

ASSOCIATE EDITOR: Ailsa Ferguson • ailsa.ferguson@utoronto.ca

PRODUCTION: Michael Andrechuk • C.A. Zvyatkovskas • Camelia Linta

ADVERTISING/DISTRIBUTION: Joan Rogers • joan.rogers@utoronto.ca

DIRECTOR: Susan Bloch-Nevedt • s.bloch.nevedt@utoronto.ca

WEB SITE: <http://www.newsandevents.utoronto.ca/bulletin>



The Bulletin is printed on recycled paper. Material may be reprinted in whole or in part with appropriate credit to The Bulletin.

Published twice a month, and once in July, August and December, by the Department of Public Affairs, 21 King's College Circle, University of Toronto, Toronto, M5S 3J3. EDITORIAL ENQUIRIES: 978-6981 • DISTRIBUTION ENQUIRIES: 978-2106 • ADVERTISING ENQUIRIES: 978-2106 • Display advertising space must be reserved two weeks before publication date. FAX: 978-7430.

COMMITTEES

The Bulletin regularly publishes the terms of reference and membership of committees. The deadline for submissions is Monday, two weeks prior to publication.

SEARCH

DEAN, FACULTY OF SOCIAL WORK
In accordance with Section 60 of the Policy on Appointment of Academic Administrators (Perron Rules), President Robert Birgeneau has established a committee to recommend the appointment of a dean of the Faculty of Social Work effective July 1, 2002. Professor Wesley Shera will complete his term as dean June 30, 2002. Members are: Provost Adel Sedra (chair); Professors Adrienne Chambon, David Hulchanski, Lynn McDonald, Cheryl Regehr and Nico Trocmé, Faculty of Social Work; Ron Daniels, dean, Faculty of Law; Bruce Kidd, dean, Faculty of Physical and Health Education; and Michael Marrus, dean, School of Graduate Studies; and Tina Cheng, MSW candidate, Teresa Knott, PhD candidate, Natalie Pawlenko,

president, alumni/ae association, and Laila Saleh, chief administrative officer, Faculty of Social Work; and Linda Jackson, Baycrest Centre for Geriatric Care.

The committee would welcome comments and nominations from interested persons. These should be sent to the attention of Lesley Lewis, assistant vice-provost (professional faculties), by August 31; mail, Room 221, Simcoe Hall; fax, 416-971-1380; e-mail, lesley.lewis@utoronto.ca.

PRINCIPAL, WOODSWORTH COLLEGE
In accordance with Section 62 of the Perron Rules, President Robert Birgeneau has established a committee to recommend the appointment of a principal of Woodsworth College; Professor Angela Hildyard, former principal, left that post to assume the position of vice-president (human resources). Members are: Provost Adel

Sedra (chair); Professors Carl Amrhein, dean, Faculty of Arts & Science; Frank Cunningham, principal, Innis College; Michael Marrus, dean, School of Graduate Studies; Frank Reid, director, Centre for Industrial Relations; Wendy Rotenberg, director, commerce program; Mariana Valverde, Centre of Criminology; and Rob Vipond, chair, political science; and Deborah Donnelly, vice-president (external affairs), Woodsworth College Students Association; Mary Jane Dundas, chief administrative officer, Mahdiesadat Seyed Aliroth, student, and Beverly Simpson, alumna, Woodsworth College; and Lynn Snowden, assistant vice-provost (arts and science), secretary.

The committee would welcome nominations and comments from interested persons. These should be sent to Lynn Snowden by September 21; 416-978-4578, l.snowden@utoronto.ca.

UoT Staff and Faculty:

IF YOU SUFFER FROM FOOT, KNEE, HIP OR BACK PAIN
YOU MAY BENEFIT FROM CUSTOM MADE
SHOES & FOOT ORTHOTICS

- Custom Made Shoes & Foot Orthotics are **100%** covered under the **U of T** extended health plan.
- We bill your extended health plan **directly**.
- To arrange your **FREE** Consultation & Foot Analysis, call our message centre at **(416) 337-2671**.

FITNESS APPRAISERS
ST. GEORGE/BLOOR - JANE/BLOOR - LAWRENCE EAST
(416) 337-2671

ST. ANDREW'S UNITED CHURCH 117 BLOOR STREET EAST

CALL FOR VOLUNTEER SINGERS

Would you like to sing in a choir but are not able to commit to a weekly rehearsal because you are too busy? St. Andrew's United Church may be the place for you.

We are seeking volunteer choristers who can read music or can pick up new music quickly to join our choir. Sopranos with clear, light voices are particularly encouraged to join.

The are no midweek rehearsals
(rehearsals are Sundays at 9:15 a.m.
Service at 11 p.m.)

If you think you may be interested
in joining us, please call
Dexter Roberts, Music Director at
416-929-0811

CLASSIFIED

A classified ad costs \$16.50 for up to 35 words and \$.50 for each additional word (maximum 70). Your phone number counts as one word, but the components of your address will each be counted as a word, e-mail addresses count as two words. A cheque or money order payable to **University of Toronto** must accompany your ad. Ads must be submitted in writing, 10 days before *The Bulletin* publication date, to **Joan Rogers, Department of Public Affairs, 21 King's College Circle, Toronto, Ontario M5S 3J3**. Ads will not be accepted over the phone. To receive a tearsheet and/or receipt please include a stamped self-addressed envelope. For more information please call (416) 978-2106 or e-mail joan.rogers@utoronto.ca.

ACCOMMODATION RENTALS AVAILABLE —METRO & AREA—

A bright, furnished room in a quiet Victorian house to let by the week (\$250) or month (\$700). Enjoy a friendly, diverse neighbourhood, fifteen minutes to university by streetcar and close to the centre. All amenities included. 416-406-9946. kmisak@tfs.on.ca

Attention U of T visitors. Luxury, bright, 2nd-floor or 3rd-floor apartments available home away from home. Includes your every need: appliances, linens, dishes, TV, A/C, walkout to sundeck, parking, laundry. \$1,075 inclusive each apartment. 416-275-3736.

North York. 4-bedroom home, furnished, quiet neighbourhood, all appliances, garden, finished basement, two-car driveway, close to TTC. No pets. Non-smoker(s). September/October 1 — April 2002. \$1,250/month plus utilities. 416-493-9666.

Central Toronto. Apartment in private home. Available August 1. One bedroom plus nook. Hardwood floors, light and airy. May furnish. Parking (for 1 car) plus utilities included in rent. Short leases considered. No smoking, no pets. Walking distance to both Eglinton and Lawrence subways. One block to Yonge bus. References required. Date variable for right tenant. Tel: 416-480-0026 or e-mail jeannel@home.com/

Sabbatical rental — Annex (Davenport & Albany Avenue). September 2001 — July 2002 (dates negotiable). Beautiful condo townhouse, 3 bedrooms or 2 bedrooms and study. Furnished, hardwood floors, garden, air-conditioned, indoor parking. 10 minutes to U of T. \$1,800/month, utilities extra. E-mail jugergrayson@aol.com or 905-673-5064.

Annex — September to December 2001: Exquisite Victorian on Madison, 3 blocks to U of T, furnished 4-bedroom, 4 plus fireplaces, huge eat-in kitchen, garage, large master with ensuite, 2 laundries, \$2,800/month plus utilities, negotiable. 416-978-7128.

Lovely architect-designed main floor 2-bedroom apartment in the Beaches. 20 minutes to U of T by streetcar/cycling. \$1,600/month, utilities, parking, cable, laundry, yard all inclusive. Children, pets, non-smokers welcome. Available August 1. 519-749-9929 or empathic@sympatico.ca

Carlaw/Danforth, steps to Withrow Park, TTC. Fabulous renovated 3-bedroom, 2 bathrooms, Jacuzzi, fireplace. Garden, garage, BBQ for 1-year rental. Available immediately. \$2,500 inclusive. 416-654-5955 or 416-450-6391.

House for rent close to Ossington/Bloor. Beautiful, 3-bedroom Victorian with lush garden and patio. Wood floors, laundry and parking. From September 2001 to June 30, 2002. 416-536-0149.

Church/Wellesley. Furnished bachelor apartment for rent in renovated Victorian townhouse. Kitchen, four-piece bath, Murphy bed, built-in closets, phone line. Cable, laundry, utilities included. Non-smoker/no pets. August 1. First and last, \$800/month. 416-921-0108.

Bathurst and Dupont. Newly furnished one-bedroom apartments, 12' ceilings, pine floors. Short- or long-term rental available. \$1,500/month. Hydro, phone, cable included. 416-790-7492 or ctse@myexcel.ca

Spacious, three-storey Victorian house in vibrant Toronto neighbourhood. 2 large bedrooms and extremely large master with ensuite and deck. 3 bathrooms, front and backyard. Fully furnished. Close to transportation, restaurants, shopping, community centre, etc. Ideal for family. \$2,400 plus utilities. 416-216-0995 or gandesha@hotmail.com

South Annex/Little Italy. Charming, spacious 3-storey house on desirable street.

Minutes to U of T, shops, restaurants, schools, parks, public transit. 3+ bedrooms, den, office space. 3rd-floor loft, 2 washrooms, laundry, fireplace, hardwood, high ceilings, exposed brick, landscaped, balcony, double garage, alarm system. Negotiable term. No pets/smokers. \$2,995 + utilities. fisher@qnetix.ca or 416-534-7753.

Two-bedroom furnished house mid-September 2001 to end June 2002. Quiet street, good neighbours, 2-car parking. Close to Beaches, Carlton streetcar, Greenwood subway, park with pool. Hardwood floors, many bookcases, desk, roomy kitchen, private deck, gas BBQ. Perennial garden, no lawn mowing. New: furnace, electrical, gas stove, water heater. Washer, new dryer. \$1,600/month inclusive. Gmaguire@interlog.com

Forest Hill: Two-bedroom, 10 minutes from Yorkville. Fully furnished, antiques, fireplace, baby grand, open plan. Reverse ravine garden, garage. Long- or short-term, utilities included, \$2,500/month. Contact 416-248-8493.

Bloor and Royal York and subway. Brand new furnished 2-bedroom private apartment, fridge, microwave, own entrance, central air, bathroom, shared laundry, available September 1 (20 minutes to U of T). No smoking/pets, \$1,450 includes utilities — phone extra. 416-233-3892, leave message.

Bloor & Royal York at subway. Furnished rooms (20 minutes to U of T) in brand new executive designer's home, central air, females only (no smoking/pets). \$200/week, shared kitchen/laundry. Home has two small dogs. 416-233-3892, leave message.

Classy, bright furnished apartment, two bedrooms, laundry, deck, garage, share garden. Quiet neighbourhood. Subway to university. Suit single, couple. Available September/October 1 for one year. \$1,700 a month. Share utilities. Call 416-469-0765 or e-mail dnorthd@hotmail.com

For rent mid October to May. Charming, secluded, picturesque, large, beautifully furnished country home. Waterfront and forest setting. 2 hours east of Toronto. \$1,750/month, all inclusive. Luxurious, optional, house exchange to Chapala, Mexico at Christmas. Phone 705-653-1557.

Avenue Road/Macpherson. Walk to U of T. Furnished fully equipped basement bachelor in quiet home. New appliances, laundry access, separate entrance, cable. Suit one. No smoking/pets. \$900 inclusive. September. E-mail: cooney@booksforbusiness.com; Tel: 416-944-0832.

Rent this beautiful finished basement. Quiet female non-smoker. \$650/month. Bloor & Dufferin. Available September 1. Includes 2-piece washroom, TV, phone, computer desk, laundry room. Share kitchen and bathroom. Contact Jacinthe, 416-536-4210.

Short-term furnished apartment, Bloor West. Beautiful, bright 2-bedroom, large kitchen, fireplace, hardwood floors. 1-minute walk to subway. \$1,800/month inclusive. Phone 416-737-2595.

The Beach. 2/3-bedroom, 2-bathroom furnished townhouse. Bright, tasteful, comfortable. All modcons. Private, quiet courtyard setting. Parking. Steps to beach, boardwalk, Queen Street shops/restaurants, streetcar. November 1 to May 1 with some flexibility. \$2,500/month inclusive. Optional additional cottage rental. Access to skiing, snowmobiling. Winter wonderland. Phone 416-694-1226. E-mail avr@inforamp.net

Bloor/Spadina, minutes walk to U of T on beautiful Willcocks Street. Furnished main-floor, 1-bedroom, with completely finished basement including second fireplace, second bath. Deck, garden, parking. 1-2 years. \$1,550 inclusive. 858-488-7722 or 408-607-5102; jorgen_ostlund@hotmail.com

U of T visitors. Beaches. Short-term accommodation available. 5-minute walk from boardwalk, 20 minutes via TTC (at door) to campus. One-bedroom, newly renovated,

cozy, bright basement apartment. Self-contained and fully equipped with microwave, cable TV, all linens, etc. \$275/week or \$875/month for one. Second person extra. E-mail ladyapaula@sympatico.ca

Sabbatical rental: North Toronto. Fully furnished 3-bedroom, detached home with 2 full bathrooms, 6 appliances, fireplace. Walking distance to Sunnybrook Hospital and Glendon College. Close to public transit, shopping, schools, community centre and other conveniences. Available September 2001 to May 2002 (negotiable). \$2,200/month plus utilities. No smokers/no pets. 416-486-7640 or melino@chass.utoront.ca

Annex. Beautiful, furnished spacious 1-bedroom plus study in quiet, clean house. Hardwood floors, 6 appliances, free parking. No smoking/pets/children. Suit mature single academic/professional. References. October 15, 2001 — July 15, 2002 (negotiable). \$1,400 p/m + utilities. E-mail Ymeil2@aol.com

Ideal home for sabbatical visitor. Detached house, fully furnished. Two bedrooms plus one bedroom in basement, 1½ baths, attached garage. Walking distance to subway, 25 minutes ride to U of T and teaching hospitals. Minutes walk to stores, schools, sports facilities. \$1,750 Cdn per month, plus utilities. Available immediately. Phone 416-239-0115. Fax 416-239-8000. E-mail donhofer-heim@sympatico.ca

Annex/Madison. One-bedroom \$1,450, bachelor \$1,000. Includes utilities. Furnished and equipped. Clean, quiet, smoke- and pet-free. Suit quiet professional. Walk to U of T/ROM. 416-967-6474; fax 416-967-9382. Minimum May 2002.

Newly renovated one-bedroom apartment on third storey of professor's quiet Annex house. Twelve minutes walk to university. All new appliances, air-conditioned. \$1,400 per month includes utilities. No pets. Single person only. 416-924-8976, leave message.

Charming & nearby in Cabbagetown. Quiet, furnished room in house with shared kitchen, bathroom, laundry, piano. No parking but close to TTC, shopping. \$700/month. Female non-smoker, references. Available September 1, 2001. Phone Joan, 416-929-8714.

Central, steps by Davisville subway, quiet street, fully furnished home, 2/3 bedrooms plus spacious (walkout) rec room, ample storage. Custom reno, open concept, lots of light and pine cathedral ceilings. Garden, decks, parking (2), piano, intercom, fax. Flexible October — April. \$2,200. 416-485-9032 or 705-756-2905. Fax 416-485-5571.

St. George and Bloor. Short-term rental. Owner's furnished one-bedroom plus den condo. A/C, 5 appliances, phone, cable, Internet. September 1 — October 1. \$1,800 inclusive. Call D. Resnick, 416-944-2640 or dresnick@aei.net.

Cabbagetown Victorian — charming newly renovated one-bedroom, fully equipped, designer furnished, original brick walls, separate entrance. Includes security system, phone, cable, hydro, air conditioning, laundry, cleaning once/month. No pets, non-smoker. Minimum six months. \$1,500 inclusive. 416-925-6562.

Furnished apartment to sublet. Bay and Dundas area highrise. Fully equipped to live in. 2 bedrooms, 2 bathrooms, living room, dining room, kitchen, D/W, A/C. Rooftop BBQ, hot tub. Exercise and indoor pool facilities reno completed soon. Building laundry room. \$2,600/month including hydro. Available September 1. Call Warner Sharkey at 416-345-8889 or e-mail warnersharkey@earthlink.net

Annex apartment. Cozy, fully furnished including linens and dishes. Located on beautiful quiet street, north of Bloor, 5 minutes to campus. \$850/month. Please leave message for Susan at 416-972-0743.

Dundas and Dovercourt. Completely renovated house on two levels. Two bedrooms

+ den. Open concept. Skylight, high ceilings, hardwood throughout. Walkouts to two decks. Two bathrooms. Five new appliances, air conditioning, parking. September 1. \$2,200 including utilities. 416-927-7082.

2 1/2-storey unfurnished detached house on quiet street near High Park, suitable for family; available November for one year +; four bedrooms, deck, gas stove/oven and radiators, fireplace and wooden floors; garage; 1,900/month plus utilities. Stefan, 416-604-3483 or stefina@inforamp.net

Queen/Bathurst. Fully furnished and equipped one-bedroom apartment. Large kitchen, home office, laundry, A/C, wood floors, high ceilings, terrace-garden, TVs, VCR, cable, linens, dishes, etc. Many extras, short/long term. \$1,400. 416-504-0473.

Professor's house available for one year (or more) starting September 15 or 30. Charming and spacious, 5 bedrooms, 2½ bathrooms, garden, garage near High Park, TTC, great shopping. \$2,400 + for responsible non-smoker(s). Peter 416-537-8449.

Comfort and charm. Available September 2001 for long/short term. Beautiful pied-à-terre on Clinton Street near subway. Furnished upper in renovated Victorian has 2 storeys, 2 bedrooms, 2 bathrooms, decks etc. Walk to U of T, cafés, shops and restaurants of Little Italy. 416-588-9691 or bicom@web.ca

ACCOMMODATION RENTALS REQUIRED

Sabbatical? Vacation? I will live in/housesit while you're away. Short/long term. Free/minimal charge. Responsible, mature, professional, non-smoker. fisher@qnetix.ca or 416-534-7753.

ACCOMMODATION SHARED

Beaches. Shared accommodation. Second and third floor of house. Fully furnished. No smoking. Quiet. Must like cats. Available September 1, 2001. \$1,350/month + your share of utilities. References required. Contact 416-699-6790.

Yonge & Davisville. Share clean two-bedroom apartment with quiet non-smoker in renovated and spacious highrise. Close to subway and amenities. \$700 per month. Contact Jeff at 416-485-1371.

ACCOMMODATION OVERSEAS

Paris-Place d'Italie. Perfect sabbatical rental. Bright, luxurious views, spacious, fully modern, furnished two-bedroom apartment. Six all-new appliances. Secure. Elevator. Resident concierge. Excellent transportation/shopping. Available October 1 — March 30. \$1,800 monthly. 858-452-9957/33 1 44 24 23 95, drwhite@uci.edu

BED & BREAKFAST

Annex Guesthouse Bed & Breakfast, walk to Robarts Library. Self-contained suite with private bath from \$100. Rooms with shared bath from \$75. Call 416-588-0560.

Casa Nina Bed & Breakfast. Comfort and convenience. Close to everything that matters. Walk to subway. Smoke- and pet-free. From \$65/night includes breakfast and parking. Group rates available. 416-516-7298, e-mail: casanina@altavista.com or http://www.bbcanada.com/3358.html

27/\$36/\$45 per night single/double/apartment, Annex, 600 metres to Robarts, 14-night minimum, free private phone line, voice mail, VCR. No breakfast but share new kitchen, free laundry, free cable Internet. Sorry, no smoking or pets. Quiet and civilized, run by academic couple. http://

members.home.net/5201 or 73231.16@compuserve.com or 416-200-4037.

VACATION / LEISURE

Southwest Ireland — sabbatical/writers retreat. Toronto-owned, centrally heated, fully furnished/equipped, charming, three-bedroom, garden home on the Ring of Kerry available from September through December. Walk to village, pubs and beaches. Lark/ocean fishing, golf, hiking mountains nearby. \$1,750/month/\$6,000 full period. 416-934-1557.

Beautiful, comfortable cottage on Six Mile Lake in winter wonderland setting. 3 bedrooms, 2 bathrooms. Access to skiing, snowmobiling. All modcons. 2 hours from downtown Toronto. November 1 to May 1. \$1,200 month non-inclusive. Phone 416-694-1226. E-mail avr@inforamp.net

HEALTH SERVICES

REGISTERED MASSAGE THERAPY. For relief of muscle tension, chronic pains and stress. Treatments are part of your extended health care plan. 170 St. George Street (at Bloor). For appointment call Mindy Hsu, B.A., R.M.T. 416-944-1312.

PERSONAL COUNSELLING in a caring, confidential environment. U of T extended health benefits provide excellent coverage. Evening appointments available. Dr. Ellen Greenberg, Registered Psychologist, Medical Arts Building, 170 St. George Street. 416-944-3799.

Psychotherapy for individuals and couples. Coverage under extended health care benefits. Evening hours. Dr. Gale Bildfeld, Registered Psychologist, Hincks-Dellcrest Institute, 114 Maitland Street. 416-972-6789.

Individual psychotherapy for adults. Evening hours available. Extended benefits coverage for U of T staff. Dr. Paula Gardner, Registered Psychologist, 114 Maitland Street (Wellesley and Jarvis). 416-469-6317.

PSYCHOANALYTIC PSYCHOTHERAPY with a registered psychologist. Dr. June Higgins, Medical Arts Building, 170 St. George Street (Bloor and St. George). 416-928-3460.

DR. DVORA TRACHTENBERG & DR. GINA FISHER, PSYCHOLOGISTS. Individual/couple/marital psychotherapy. Help for depression/anxiety/loss/stress; work/family/relationships/communication problems; sexual orientation/women's issues. U of T health benefits apply. Medical Arts Building (St. George and Bloor). 416-961-8962.

Psychologist providing individual and couple therapy. Work stress, anxiety, depression, personal and relationship concerns. U of T health plan covers cost. Dr. Sarah Maddocks, Registered Psychologist, 114 Maitland Street (Wellesley & Jarvis). 416-972-1935, ext. 3321.

Dr. Neil Pilkington (Psychologist). Assessment and cognitive-behaviour therapy for mood and anxiety problems, including: depression/low self-esteem, phobias, social and performance anxiety, panic attacks, agoraphobia, worry/stress and obsessions/compulsions. Staff/faculty health care benefits provide full coverage. Daytime, evening and weekend appointments available. Downtown/TTC. 416-977-5666.

Psychotherapy for personal and relationship issues. Individual, group and couple therapy. U of T extended health plan provides coverage. For a consultation call Dr. Heather A. White, Psychologist, 416-535-9432, 140 Albany Avenue (Bathurst/Bloor).

Dr. Will Cupchik, Clinical Psychologist. Thirty-five years' counselling experience. Adult, couple, teenage and inter-generational (i.e., adult child and his/her parent) psychotherapies. Self-esteem. Depression. Anger.

CLASSIFIED

Loss. Worry. Stress management. Coaching. Heart-healthy lifestyle changes. U of T extended health care benefits partially or totally covers fees. 250 St. Clair Avenue West. 416-928-2262.

Evelyn Sommers, Ph.D., Psychologist, provides psychotherapy and counselling for individuals and couples from age 17. Covered under U of T benefits. Yonge and Bloor. 416-413-1098 or e-mail for information package, eks@passport.ca

FAMILY MEDIATION: A co-operative process that enables separating couples to develop their own solutions to issues such as custody and support. The reduced conflict has immediate and long-lasting benefit for all parties. Peggy O'Leary, M.Ed., C.Psych. Assoc. 416-324-9444.

Dr. S. Camenietzki, located at Yonge & St. Clair. Provides individual, group and marital sessions. Assessments available. Call: 416-929-7480.

Psychotherapy responsive to your individual needs for personal, relational and spiritual growth. Services may be eligible for employee health insurance coverage and/or income tax deduction. Dr. Carol Musselman, Registered Psychologist, 251 Davenport Road, 416-925-7855

Adult, couple, child assessment/psychotherapy. Depression, anxiety, loss/trauma. Clinical/psycho-educational assessment of children/adolescents. Evening/weekend appointments available. Benefit coverage for U of T staff. Dr. M. Gholamain, Registered Psychologist, 114 Maitland Street, 416-972-1935, ext. 3328.

Full range of psychological services offered by Dr. K.P. Simmons. Call 416-920-5303 if troubled by trauma, anxiety, depression, phobia or relationship issues. Location: 170 St. George Street, Suite 409 — Medical Arts Building.

Cognitive therapy for stress, anxiety and depression. U of T staff extended health benefits provide full coverage. Fully or partially covered by most other health plans. Contact Dr. J.A. Shillingford, Registered Psychologist, First Canadian Medical Centre (Adelaide & Bay), 416-368-6787.

Child/Teen/Adult/Family Assessment & Therapy. Thorough Learning Disability ADHD and Giftedness assessments. Wide range of counselling services to individuals and families. U of T extended health care benefits partially or fully cover services. Dr. Stacy Berman, Dr. Ruth Slater and Ruth Benedikt, D.C.S., at the Collaborative Therapy and Assessment Group: 416-644-0983 (Queen & Spadina).

Bay Street Clinic. Electrolysis 50% off first treatment. Massage therapy, reflexology, facials. Treatment of acne, brown spot. Open 7 days. 1033 Bay Street, Suite 310. 416-921-1357.

MISCELLANY

NEWLY RENOVATED PROFESSIONAL OFFICE building for rent, approx. 3,000 sq. ft., air-conditioned, parking, professional area, close to East General Hospital, subway, on the Danforth. For more information call Mike, 416-465-5428 or 416-759-7572.

Need a special gift? Delight a bibliophilic friend with a gently used book from the U.C. Bookroom, B101 University College, Cloisters, noon to 4 p.m. weekdays, or by appointment, 416-978-0372. Proceeds support college library.

Quality child care. Prov. licensed, parent-run co-operative offers unique pre-school experience; a.m./p.m., ages 2½ to 5, ECE teacher. Arts & crafts, music, outdoor play. Huron Playschool Co-operative, 383 Huron St., 416-920-3323 or 416-977-1109.

Printer Cartridges and Refill Kits
At Discounted Prices. **COMPARE AND SAVE**
Apple, Canon, Epson, IBM, Lexmark, H.P., Brother

	Their Price	Our Price
Epson T005	\$63.00	\$21.52
Canon BCI-21 CLR	\$28.00	\$12.88

WWW.PRINT3000.COM

The Hart House
Hair Place

FINEST CUTTING & STYLING

Mon. to Fri. 8:30 - 5:30 • Sat. 9:00 - 5:00

For appointment call 978-2431

7 Hart House Circle

- Laser for removal of foot warts, ingrown nails
- Removal of calluses and corns
- Treatment of fungal infections
- Orthotics (control of foot movement)
- Diabetic foot care
- Arch problems
- Soft tissue problems
- Nerve conditions (Neuroma and Neuropathy)
- Bunions
- Advice on shoes for children
- Sports Medicine
- X-ray on-site

PODIATRIC MEDICINE

Specialized care for your feet

HARVEY E. ROSENFELD, D.P.M.
Doctor of Podiatric Medicine
170 St. George Street, Suite 330
Toronto, Ontario M5R 2M8
Fax: (416) 967-9294



Please call:

(416) 967-0600 for an appointment at:
170 St. George Street, Suite 330.

(Medical Arts Bldg. corner of Bloor/St. George)

For Mississauga, call: **(905) 820-4540** at Med Clinic 2000,
2000 Credit Valley Road, Suite 102

DENTIST

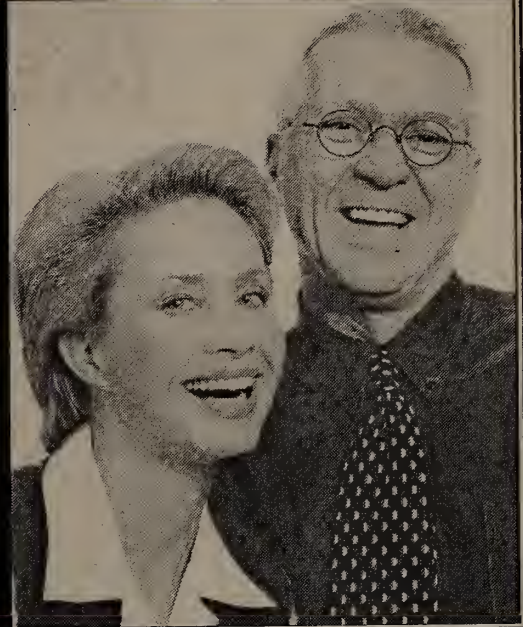
DR. ELON GRIFFITH

(416) 923-3386

25 CHARLES ST. W.

TORONTO, ONT., M4Y 2R4

- Quality Dental Care
- Convenient hours & location
- Master Card & Visa Accepted



UofT Staff and Faculty:

**IF YOU SUFFER FROM FOOT, KNEE, HIP OR BACK PAIN
YOU MAY BENEFIT FROM CUSTOM MADE
SHOES & FOOT ORTHOTICS**

Custom Made Shoes & Foot Orthotics are **100%** covered under the **U of T** extended health plan.

We bill your extended health plan **directly**.

To arrange your **FREE** Consultation & Foot Analysis, call our message centre at **(416) 337-2671**.

FITNESS APPRAISERS

ST. GEORGE/BLOOR - JANE/BLOOR - LAWRENCE EAST
(416) 337-2671

completely independent

A great bookstore...



Whether you want textbooks; computer hardware, software or repair services; medical books; clothing and gifts; general interest books in subjects from cookbooks to chemistry; stationery, confectionery and snacks; or a full service Post Office you'll find it here at the U of T Bookstore.

... and so much more!

University of Toronto Bookstores

214 College St., Toronto

(416) 978-7900 for more information

and online: www.uoftbookstore.com

THE SCREENING ROOM

Professor-turned-programmer seeks "unknowns" for film festival

BY MICHAH RYNOR

TORONTO IS A CITY FILLED with film fanatics but even the most obsessive aficionado of the flickering image would find it hard to compete with Professor Kay Armatage.

Armatage, who teaches cinema and women's studies, is one of Canada's most distinguished film experts and has been a key programmer at the Toronto International Film Festival since 1983. It is in this role that you'll find her sitting through hundreds — and hundreds — of movies every year.

Right now, she's trying to get her life back to normal after an exhausting spring of intensive screenings for this September's festival which will present some 300 films from over 50 countries. "My viewing schedule gets really hectic in May and June because all of us working for the festival are trying to see as many films as possible that weren't finished in time for Cannes," she explains.

Known for selecting edgier independent flicks as opposed to the bigger budget, star-laden vehicles, Armatage chose for this year's festival approximately 10 films by women directors, five documentaries and "10 or 12 American independent works with the rest coming from around the world." Festivals in Rotterdam, Berlin and Cannes are traditionally her best hunting grounds.

And her prey are new films from unknown directors.

Preferring to go into screenings knowing as little about a movie as possible to keep an open mind, she admits that the plot isn't as important to her as much as cinematic values such as innovative structure, editing and the different ways in which a film is shot.



Professor Kay Armatage

She also hopes to uncover films that will end up becoming part of the new canon of cinema taught in universities.

Being a programmer is a natural fit for Armatage the academic. In the late 1970s she became known for her regular contributions to the Canadian film magazine *Take One* and for her work with the highly successful 1973 Women's Film Festival in Toronto.

She is also a writer/director of seven experimental films, co-editor of the book *Gendering the Nation: Canadian Women's Cinema* and author of an upcoming study of silent screen actor/director Nell Shipman. Her involvement with the Toronto Film Festival, then, is a logical extension of her scholarly fascination with the silver screen.

something that's already played at other festivals. My focus and the focus of the festival is on new films never seen before."

So how many films will cinema junkie Armatage treat herself to during the festival's September 6 to 15 run?

"Zero," is her immediate reply. "Not only is this the time when I meet my new students but there is just too much work to do with the festival itself. I'll be introducing each film that I picked, act as a host to my directors and producers as well as taking part in the usual networking, organizing and problem solving. It's like being involved in an academic conference — but this one lasts two weeks and has 30,000 participants."

A maxed-to-the-limit Armatage, usually absent from most of the festival parties, takes her programming role very seriously.

"Programmers like me have a tremendous responsibility to support the films that we choose and shepherd them through the festival to make sure critics, curators, distributors and festival programmers from around the world see them," she explains. "That's because, as it is, many of the films I've selected are ones you've never heard of and may never see again."

So respected is Toronto's festival — and Armatage herself — that it's become commonplace for strangers to walk up to her at international screenings, politely introduce themselves, then press a video cassette of their latest movie into her hands.

"I discourage them if I know for sure their film won't find a place with our festival, especially something like a 25-minute drama or

Stem Cell Debate Heats Up

~ Continued From Page 1 ~

stem cells taken from the 60 or so existing cell lines around the world.

Rossant says the Canadian research community generally supports the draft CIHR guidelines. University Professors Emeriti James Till and Ernest McCulloch of medical biophysics, who made the pioneering discovery of stem cells in the blood forming system in the 1960s, say that the proposed Canadian framework is more in the interest of both scientists and the public than the U.S. counterpart. "We have a very strong stem cell research program in Canada," said Till. "I would hate to see it handicapped by a spillover from the U.S." McCulloch added that the American guidelines may force talented researchers to leave the country. "You cannot confine science," he said.

Other researchers agree that severely restricting human embryonic stem cell research could hinder scientists' progress in determining the best source of stem cells for future therapies. Research has already shown that embryonic stem

cells are pluripotent, meaning they are capable of growing into the complete range of specialized cells and tissues. Adult stem cells are known to have a more restricted potency, though new studies suggest they may have broader flexibility to grow into other tissue types than previously thought.

AMERICAN GUIDELINES
MAY FORCE TALENTED
RESEARCHERS TO LEAVE
THE U.S. YOU CANNOT
CONFINE SCIENCE

~ UNIVERSITY PROFESSOR

EMERITUS ERNEST MCCULLOCH

"The reality of the situation is that we don't know right now what the best source of cells is going to be for the downstream applications," said Professor Peter Zandstra of the Institute of

Biomaterials and Biomedical Engineering. Zandstra, a Canada Research Chair in biomedical engineering, works with mouse embryonic and adult stem cells to investigate the conditions needed for the cells to regenerate outside the body and form usable tissue for clinical applications. He said he would consider extending this research to human embryonic stem cells if Canadian policy allowed it.

But not all scientists embrace the idea of having access to human embryos. "There has to be some civilian oversight to the limits of science," said Dr. Paul Ranalli, a lecturer at U of T and a neurologist at the University Health Network. "We've seen where science has gone when it's been unchecked at different times in this century alone and the results are often very unpleasant." Like many of

the opponents of research with embryos, Ranalli firmly believes that a unique human being with a right to life is created when egg and sperm join.

And even those scientists who

staunchly defend their right to use human embryos agree that one thing must be prohibited — human cloning. While some researchers support therapeutic cloning, where scientists create human embryos solely for research, most if not all consider reproductive cloning, where the intent is to create

THERE HAS TO BE SOME
CIVILIAN OVERSIGHT TO
THE LIMITS OF SCIENCE.
WE'VE SEEN WHERE
SCIENCE HAS GONE
UNCHECKED

~ DR. PAUL RANALLI

genetically identical animal or human offspring, dangerous and morally unacceptable.

But beyond this almost universal abhorrence for reproductive cloning there is little consensus on the

ethics of stem cell research, where opinions range from the intense condemnation of anti-abortion groups to the researchers who reject all limits on their science.

Professor Abdallah Daar, director of the program in applied ethics and biotechnology at the Joint Centre for Bioethics, believes the crux of the matter lies in how people define life and humanity. Critics of embryonic stem cell research say life begins at conception, but he says the issue is more complex.

"We need to inquire if this is full human life that should therefore have the same amount of respect, rights and obligations as a child who has already been born or an adult, or do those rights and obligations and expectations and moral regard increase from the moment of fertilization and in time become closer to human life after it is born?"

These are perennial questions with no easy answers, and they will continue to be asked long after all the laws and guidelines are in place.